TOLERANCE AND RESPONSE OF SOMATOSTATIN ANALOGUE (SMB)
SANDOSTATIN (E) FOR THE TREATMENT OF CHEMOTHERAPY INDUCED
DIARRHEA, N. POLICILI, P. CIBBUED, L. HOYFORD, Y. RUSTUM,
ROSVOLL PAIR Cancer Institute, Buffalo, NY

Six parience (pts) developed severe diarrhee (4 or more loose watery stools per day requiring intravenous hydration) secondary to chemotherapy. All had failed treatment with lowetil. Mean number of loose stools per day was 6 (range 4-16). All pts had tissue documented morastatic colorectal adonocarcinoms. There were 5 females and one male. Medies age was 55 years (range 41-71). Chemotherapy, consisted of weekly 5-Fluorourscil (5-FU) 600-750 mg/m with 66-leucovorin 250 mg/m in 4 pre; 5-Fu 500 mg/m2 with 6R, S-leucovorin 500 mg/m2 in one pt and one pt treated with oxal Dracil and Ftorafur (UFT) 1200 mg/m2 weekly, Sites of metastases were lung - 3 pts, liver -2 pts, inguinal region - 1 patient, ECOG performance status was 0-1. Within 48 hrs of reporting diarrhea all pre were created with increvenous fluid hydration, nothing by mouth and EMS. The latter was given to each pt in the following escalating doces: A continuous intravenous infusion of 50 micrograms (ug)/hour (h) for 12 h then 100 ug/h for 12 h then 150 ug/h for 72 h. Diarrhea completely resolved in 4 of 5 pts within 24 h of the 150 ug/h infusion. In the 6th pt the diarrhes resolved within 12 h of the 100 ug/h infusion. No side effects from SMS were seen. All pre resumed a regular diet without recurrence of the diarrhos. 150 ug/h has been an effective and safe schodule of SMS for the treatment of chemotherapy induced diarrhes. Pt scernal continues. Supported by USPHS NCI CA 21071.

418

THE COMBINED EFFECTS OF 5-FILIDROUPACIT. AND PRODUBINANT INTERFERON-GAMMA ON BUMAN GASTRIC CARCINOMA CRIL LINES.

J.-G. Park, H.T. Kim, S.H. Park, N.K. Rim Seoul National University Rospital, Seoul 110-744, RORKA.

Stomach cancer is a leading malignant disease in many countries. Oneventional combination chemotherapy approaches to advanced gastric cancer only produce partial response and there has been no impact on patient survival from these approaches. Of several promising new approaches the combination of interferon and chemotherapeutic agents are now being made to improve the effectiveness for the treatment of cancer.

This study was conducted to investigate the combined effects of 5-FU and recombinant IFW gamma at cellular level against four gastric cardinoma cell lines (5KU-1, ENU-5, SMU-16, and NCI-N87). We used a semiautomated tetrazolium-based colorimatric (MTT) assay for cytotoxicity and an isobologram analysis to evaluate the effects of combination. The experiment was performed three times on each of the three cell lines. Only two experiments for SNU-16 and NCI-NB7 showed supreadditivity (P < 0.02). On isobologram plotted by the mean value of three experiments for each cell line, supraadditivity was suggested for only SW-16 (P=0.055). In conclusion, our result did not document in vitro synergy between 5-FU and IFMgamma for gastric carcinoma cell lines but additivity within clinically achievable dose range. Because in vivo immunomodulatory effect of IFN-genue on host is more important rather than antiproliferative effect, the combination of 5-FV and IFN-gamma is expected to improve the treatment of advanced gastric cancer.

419

HIGH DOSE AMINOTHIODIAIGLE (ATDA) IN ADVANCED COLORECTAL ADEMOCARCINOMA: AN ILLINOIS CANCER COUNCIL (ICC) PHASE II STUDY. G. Locker, L. Kilton, J. Khandskar, D. Shevrin, K. Albain, R. Blough, A. Watkins, D. Tuteur. Illinois Cancer Council, Chicago, IL 60603.

Because provious Phase II studies of ATDA in advanced colon cancer employed drug doses less than maximally tolerated (MTD) and the suggestion of a dose response phenomenon of the drug against large bowel carcinomas (PROC ASCO: 113, 1989) the ICC conducted a Phase II study of ATDA at MTD. 30 patients with pathologically proven measurable recurrent or metastatic colorectal cancer were entered. 3 patients (pts.) had received radiosensitizing doses of 5-90 and radiation; 27 pts. had no prior chemotherapy. Median age was 64, 19 prs. were male; 11 female. 10 pts. were ECOG performance status (PS) 0; 20 vere FS1. ATDA dose was 175 mg/K2 IV weekly with escalation to 200 mg/H2 Lf no toxidity poon. All pts. received prophylactic allopurinol and non-scoroidal anti-inflammatory drugs to prevent hyperuricemia and dose-limiting chest pain. 20 pts. are ourrently evaluable for response (2 refused follow-up measurements, 2 missing data, 6 too early) and 22 are evaluable for toxicity. 12 pts. had dose escalations. Nausea (59% of pto.); dermatitie (41%), angmia (41%), discribes (32%) and stomatitis (18%) were generally of mild to moderate severity. Despite prophylaxis, 3 pts. developed chest pain. There were no objective responses seen, although 12 pts. had periods of stability lasting 1 to 19 months. Median survival was 15 months. Arox given at MTD did not result in significant tumor regressions in patients with advanced colorectal carcinoma. Survival was longer than expected in a predominantly symptomatic patient population. Supported by Grant 2P30-CA-21742 MCI:NIH

420

SENSITIVITY OF SURVIVAL PATTERNS AFTER AJCO 1988 STAGING OF ESOPHAGEAL CANCER. E. Walking. Jr., M.J. Kreans, F.H. Ellis, Jr., G.J. Heatley, and K. Balogh, Lahey Clinic, Burlington, MA, and New England Desconess Hospital and Harvard Medical School, Boston, MA.

The 1988 TNM pathologic staging version of the American Joint Committee on Cancor (AJCC) was applied to 261 patients who underwent standard esophageal resection for ours or palliation between 1970 through 1987.

The table indicates adverse influence of nodal disease on median survival time (MST) and 5-year survival with approach to significance (IIA vs. IIB, F = 0.12). Comparison is confounded by the variation in classification of local invasion in the two groups. Nodal influence is also suggested in the IIIT4 groups comparing No and N1 status

Influence of local advanced disease is suggested in comparison of IIIY3N1 and IIIT4N1 MST and survival, which is without statistical significance (P = 0.28).

Power analysis indicates that fragmentation of even large study groups into 7 categories frequently results in statistically meaningless results in late survivor groups with small risk populations.

We are currently evaluating a modified version of the Skinner WNM staging plan to be presented. The WNM schema permits comparison of degrees of local and node! Involvement with a modest increase in staging fragmentation.

Stage .	TNM	MST Mo. ± SE	Survival 6 years	Logrank P
I IIA IIB IIIT3N1 IIIT4NO IIIT4N1	T4N0M0 T4N1M0 TNM1	>49.9 24.5±10.6 18.0±4.3 21.9±3.5 26.5±4.9 14.0±0.9 6.0±1.4	37.5±6.7 16.2± 8.1 16.2± 8.6 18.7±10.6 12.7± 4.5	0.62 0.12 0.91 0.83 0.09 0.0001

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417

TOLERANCE AND RESPONSE OF SOMATOSTATIN ANALOGUE (SMS) SANDOSTATIN ® FOR THE TREATMENT OF CHEMOTHERAPY INDUCED DIARRHEA. N. Potrelli, P. Cresven, L. Herrera, Y. Rustum, Roswell Park Cancer Institute, Buffalo, NY

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418

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